

Table P-11: 1998 Key Source Tier 1 Analysis - Level Assessment

IPCC Source Categories	Direct Greenhouse Gas	Base Year		Level Assessment	Cumulative Total
		Estimate (Tg CO ₂ Eq.)	Current Year Estimate (Tg CO ₂ Eq.)		
CO ₂ Emissions from Stationary Combustion - Coal	CO ₂	1,692.60	1,949.67	0.29	0.29
Mobile Combustion: Road & Other	CO ₂	1,235.49	1,424.19	0.21	0.50
CO ₂ Emissions from Stationary Combustion - Gas	CO ₂	952.76	1,090.90	0.16	0.66
CO ₂ Emissions from Stationary Combustion - Oil	CO ₂	662.46	660.47	0.10	0.76
Direct N ₂ O Emissions from Agricultural Soils	N ₂ O	193.49	218.59	0.03	0.79
CH ₄ Emissions from Solid Waste Disposal Sites	CH ₄	213.41	200.98	0.03	0.82
Mobile Combustion: Aviation	CO ₂	176.88	182.97	0.03	0.85
Fugitive Emissions from Oil & Gas Operations	CH ₄	147.64	145.61	0.02	0.87
CH ₄ Emissions from Enteric Fermentation in Domestic Livestock	CH ₄	127.88	124.90	0.02	0.89
CO ₂ Emissions from Other Industrial Processes	CO ₂	123.65	111.11	0.02	0.90
Indirect N ₂ O Emissions from Nitrogen Used in Agriculture	N ₂ O	73.60	79.81	0.01	0.92
Fugitive Emissions from Coal Mining and Handling	CH ₄	87.12	67.94	0.01	0.93
Mobile Combustion: Road & Other	N ₂ O	48.86	57.08	0.01	0.93
Mobile Combustion: Marine	CO ₂	59.43	47.83	0.01	0.94
Emissions from Substitutes for Ozone Depleting Substances	Several	0.94	44.87	0.01	0.95
HFC-23 Emissions from HCFC-22 Manufacture	HFCs	34.98	40.15	0.01	0.95
CO ₂ Emissions from Cement Production	CO ₂	33.28	39.22	0.01	0.96
CH ₄ Emissions from Manure Management	CH ₄	29.19	38.03	0.01	0.97
Indirect CO ₂ Emissions from CH ₄ Oxidation	CO ₂	30.90	28.18	<0.01	0.97
CH ₄ Emissions from Wastewater Handling	CH ₄	24.25	27.85	<0.01	0.97
N ₂ O Emissions from Nitric Acid Production	N ₂ O	17.85	20.89	<0.01	0.98
CO ₂ Emissions from Waste Incineration	CO ₂	14.09	20.25	<0.01	0.98
SF ₆ Emissions from Electrical Equipment	SF ₆	31.23	20.15	<0.01	0.98
Non-CO ₂ Emissions from Stationary Combustion	N ₂ O	12.82	14.32	<0.01	0.99
N ₂ O Emissions from Manure Management	N ₂ O	16.03	17.12	<0.01	0.99
CO ₂ Emissions from Lime Production	CO ₂	11.24	13.91	<0.01	0.99
PFC Emissions from Aluminum Production	PFCs	18.11	9.04	<0.01	0.99
N ₂ O Emissions from Wastewater Handling	N ₂ O	7.04	8.08	<0.01	0.99
CH ₄ Emissions from Rice Production	CH ₄	7.12	7.90	<0.01	0.99
N ₂ O Emissions from Adipic Acid Production	N ₂ O	14.89	7.71	<0.01	0.99
Non-CO ₂ Emissions from Stationary Combustion	CH ₄	7.90	7.01	<0.01	1.00
PFC, HFC, and SF ₆ Emissions from Semiconductor Manufacturing	SF ₆	2.86	7.26	<0.01	1.00
SF ₆ Emissions from Magnesium Production	SF ₆	5.50	6.18	<0.01	1.00
Mobile Combustion: Road & Other	CH ₄	4.67	4.25	<0.01	1.00
CO ₂ Emissions from Natural Gas Flaring	CO ₂	5.51	6.25	<0.01	1.00
Mobile Combustion: Aviation	N ₂ O	1.71	1.78	<0.01	1.00
CH ₄ Emissions from Other Industrial Processes	CH ₄	1.19	1.66	<0.01	1.00
CH ₄ Emissions from Agricultural Residue Burning	CH ₄	0.68	0.78	<0.01	1.00
N ₂ O Emissions from Agricultural Residue Burning	N ₂ O	0.37	0.45	<0.01	1.00
Mobile Combustion: Marine	N ₂ O	0.36	0.26	<0.01	1.00
N ₂ O Emissions from Waste Incineration	N ₂ O	0.29	0.24	<0.01	1.00
Mobile Combustion: Aviation	CH ₄	0.16	0.15	<0.01	1.00
CO ₂ Emissions from Stationary Combustion - Geothermal Energy	CO ₂	0.22	0.13	<0.01	1.00
Mobile Combustion: Marine	CH ₄	0.07	0.05	<0.01	1.00
TOTAL		6,130.72	6,756.19	1.00	

Note: Sinks (e.g., LUCF, Landfill Carbon Storage) are not included in this analysis.